

M1 – 4 digit digital panel meter in 96x48 mm (BxH)

Standard signals 0/4-20 mA, 0-10 VDC, optional 50 VDC, 100 VDC

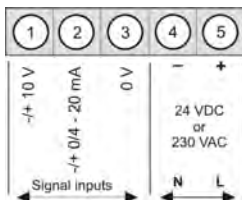
- red display of -1999...9999 digits (optional green, orange or blue display)
- minimal installation depth: 25 mm without plug-in terminal
- adjustment via factory default or directly on the sensor signal
- min-/max-value recording
- 10 adjustable support points
- display flashing at threshold exceedance / undershooting
- navigation keys for the recall of min/max values or limit value corrections during operation
- tara-function
- programming interlock via access code
- protection class IP65 at the front
- plug-in terminal
- accessories: pc-based configuration-kit PM-TOOL with CD & USB adapter
- on demand: devices for working temperatures of -25°C...60°C or -40°C...80°C



ORDER NUMBER
(without options)

EUR

• Direct current, direct voltage



Supply 230 VAC

M1-1VR4B.0001.570CD

Supply 24 VDC

M1-1VR4B.0001.770CD

• Product key options

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|----|---|---|---|----|---|---|---|---|---|------------|
| M | 1 | 1 | V | R | 4 | B. | 0 | 0 | 0 | 1. | 5 | 7 | 0 | C | D | EUR |
| M | 1 | 1 | V | R | 4 | B. | 0 | 0 | 0 | 1. | 7 | 7 | 0 | C | D | |
| | | | | | | | | | | | | | | S100 to 100 VDC, measuring error 0.5% of final value | | |
| | | | | | | | | | | | | | | S260 to 50 VDC, measuring error 0.5% of final value | | |
| | | | | | | | | | | | | | | 1 Without keypad, operation on the back via interface | | |
| | | | | | | | | | | | | | | X Other voltage supplies on demand! | | |
| | | | | | | | | | | | | | | B Blue | | |
| | | | | | | | | | | | | | | G Green | | |
| | | | | | | | | | | | | | | Y Orange | | |

Please state physical unit in order, e.g. m/min.

• Parameterisation software

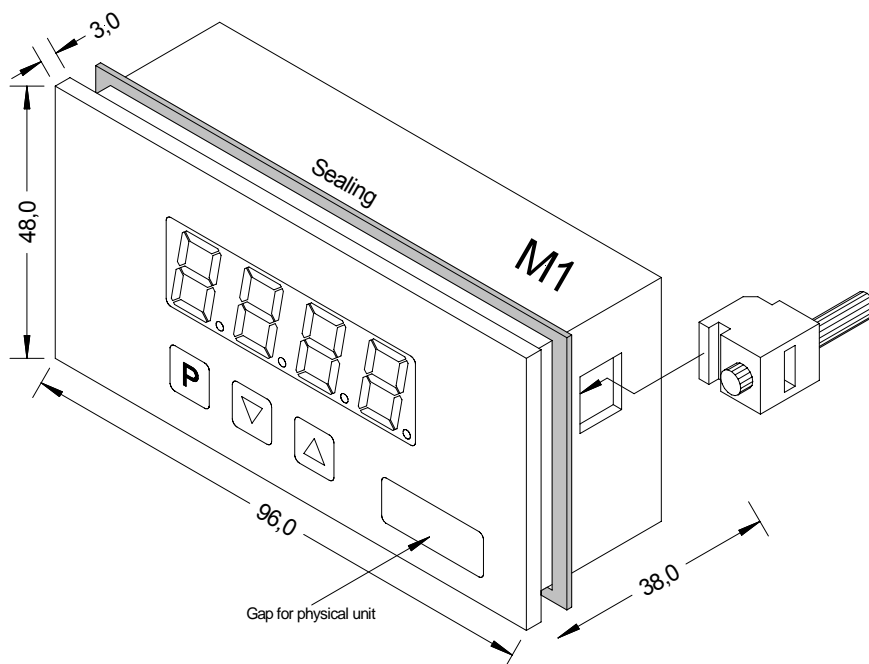
PC based configuration software PM-Tool for devices without keypad, for a simple adjustment of standard devices, incl. CD & USB-adapter. Programming is made via an interface on the back.

PM-TOOL-MUSB6

• Technical data

| | | | |
|---------------------------|---|---|----------------|
| Dimension | Housing | B96xH48xD25 mm (including plug-in terminal D= 38 mm) | |
| | Panel cut-out | 92.0 ^{+0.8} x 45.0 ^{+0.6} mm | |
| | Fixing | screw elements for insulation thickness up to 3 mm | |
| | Housing material | PC Polycarbonate, black | |
| | Sealing material | EPDM, 65 Shore, black | |
| | Protection class | at the front IP65 standard, back side IP00 | |
| | Weight | approx. 100 g | |
| | Connection | plug-in terminal; line cross-section up to 2.5 mm ² | |
| Display | Display | 4-digit | |
| | Digit height | 14 mm | |
| | Segment colour | Red (standard), optional available in green, blue and orange | |
| | Display range | -1999 to 9999 | |
| | Setpoints | optical display flashing | |
| | Overflow | horizontal bars at the top | |
| | Underflow | horizontal bars at the bottom | |
| | Display time/ Measuring time | 0.1 to 10.0 seconds | |
| Measuring input | Span | -12...12 V | / -22...24 mA |
| | Measuring range | 0-10 V | / 0/4-20 mA |
| | Input resistance | Ri at ~200 kΩ | / Ri at ~100 Ω |
| | Measuring fault | 0.1% of measuring range, ± 1 Digit / 0.1% of measuring range, ± 1 Digit | |
| | Temperature drift | 100 ppm/K | |
| | Measuring time | 0.1 ... 10.0 seconds | |
| | Measuring principle | U/F-conversion | |
| | Resolution | approx. 18 Bit at 1s measuring time | |
| Power pack | Supply | 230 VAC +/- 10 % (max. 3 VA) | |
| | | 24 VDC +/- 10 %, galvanic insulated (max. 1 VA) | |
| Memory | EEPROM | Data life ≥ 100 years at 25°C | |
| Ambient conditions | Working temperature | 0 to + 60 °C | |
| | Storing temperature | -20 to + 80 °C | |
| | Climatic density | relative humidity 0-85% on years average without dew | |
| CE-sign | Conformity to directive 2004/108/EG | | |
| EMV | EN 61326, EN 55011 | | |
| Safety standard | According to low voltage directive 2006/95/EG, EN 61010; EN 60664-1 | | |

Housing:



• Ordering code

| | M | 1- | 1 | V | R | 4 | B. | 0 | 0 | 0 | 1. | 7 | 7 | 0 | C | D | |
|---|---|----|---|---|---|---|----|---|---|---|----|---|---|---|---|---|---|
| Basic type M-Line | | | | | | | | | | | | | | | | | <input type="checkbox"/> S100 Messeingang 100 VDC <input type="checkbox"/> S260 Messeingang 50 VDC |
| Installation depth 38 mm incl. plug-in terminal | | | | | | | | | | | | | | | | | Dimension <input type="checkbox"/> D physical unit (free selectable) |
| Housing size 96 x 48 x 25 mm (BxHxD) | | | | | | | | | | | | | | | | | Version <input type="checkbox"/> C C |
| Display type V, A | | | | | | | | | | | | | | | | | Setpoints <input type="checkbox"/> 0 no setpoints |
| Display colours Blue Green Red Orange | | | | | | | | | | | | | | | | | Protection class <input type="checkbox"/> 1 without keypad, operation on the back <input type="checkbox"/> 7 IP65 / plug-in terminal |
| Number of digits 4-digit | | | | | | | | | | | | | | | | | Supply voltage <input type="checkbox"/> 5 230 VAC <input type="checkbox"/> 7 24 VDC galv. insulated |
| Digit height 14 mm | | | | | | | | | | | | | | | | | Measuring input <input type="checkbox"/> 1 Direct current, direct voltage |
| Digital input without | | | | | | | | | | | | | | | | | Analog output <input type="checkbox"/> 0 without |
| | | | | | | | | | | | | | | | | | Sensor supply <input type="checkbox"/> 0 without |